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Division of Water Rights

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TO: Lee Sim
FROM: Gertrudys B. Adkins *GA*
DATE: October 18, 2004
SUBJECT: Water Level Report for Pahvant Valley Wells

Enclosed is a graphical analysis of water level patterns for selected monitoring wells in the Pahvant Valley and a map showing the locations of the selected wells. This report includes the most recent water levels taken by the USGS (March 2004).

Groundwater levels in selected Pahvant Valley wells have continued to decline. The rate of the decline is slightly less than last year (2003). Overall, the 2004 water levels decreased an average of about 3.6 ft from the year 2003 levels. This decrease is an improvement in comparison with the 5 ft average decrease in the water table registered during the year 2003.

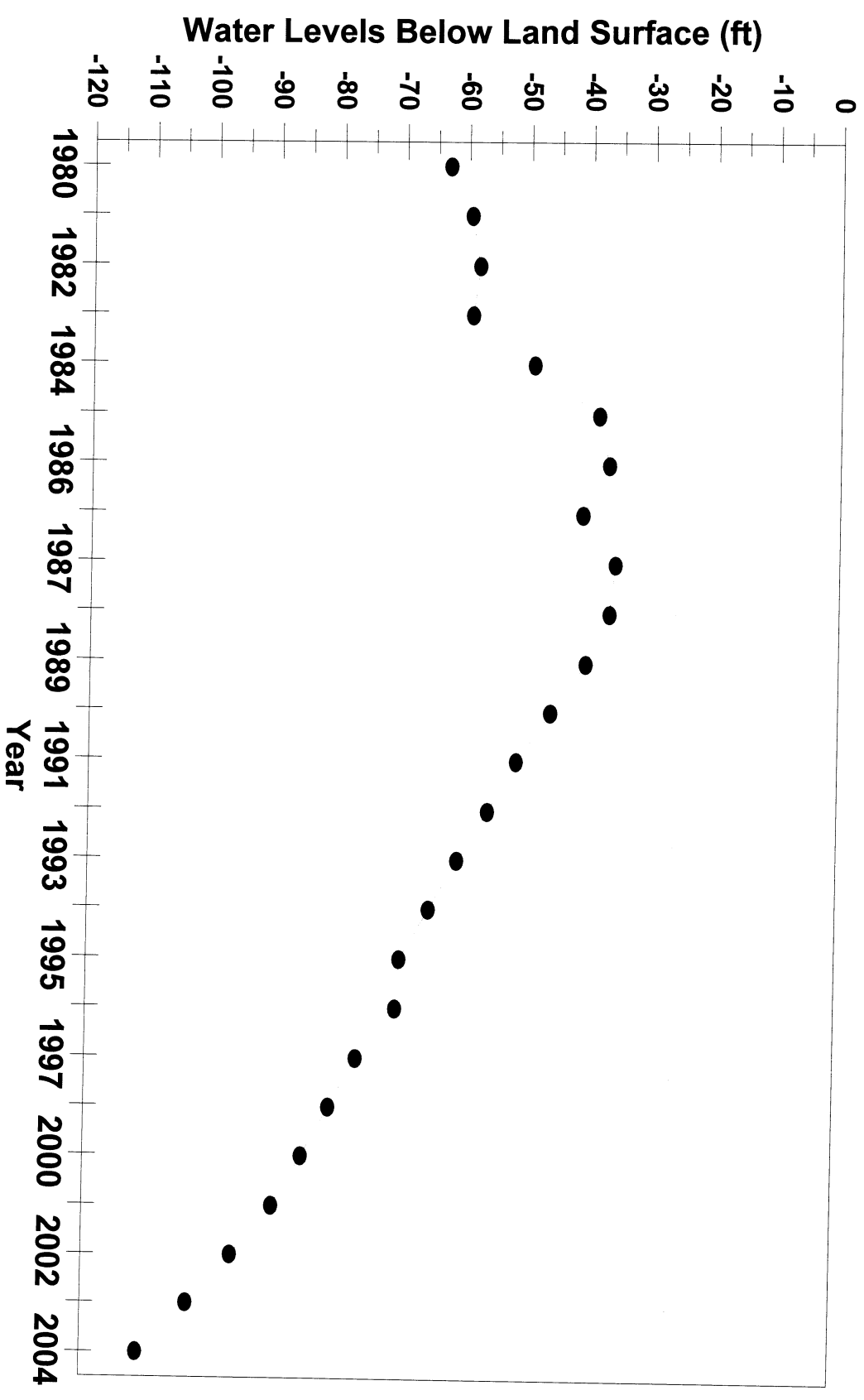
The rate of decline in water levels for the years 2003-2004 appears to be leveling off in the majority of the wells. The greatest decline in water level of 7.96 ft was registered in well (C-18-5)28dda-1. This well is located near the city of McCornick. Wells in the Southern boundary of the valley near Kanosh, show the least decline in water levels. The average percentage decline was 4.4 percent, which is about half of last year's percentage decline in water levels.

PAHVANT VALLEY WATER LEVELS ANALYSIS

Well #	Water Level Decline over Previous Year (2003) (ft)	Average ft/yr Decline in Water Table	Percent Water Level decline (%) 2003- 2004
4	7.96	2.0	7.73
14	3.67	0.5	3.95
10	6.89	2.06	3.52
18	5.25	0.98	4.62
20	5.19	0.71	8.45
26	No data	-	-
31	1.53	0.63	8.62
37	0.57	0.14	1.12
40	1.33	0.32	2.54
78	2.51	1.52	2.02
87	0.76	0.62	1.24

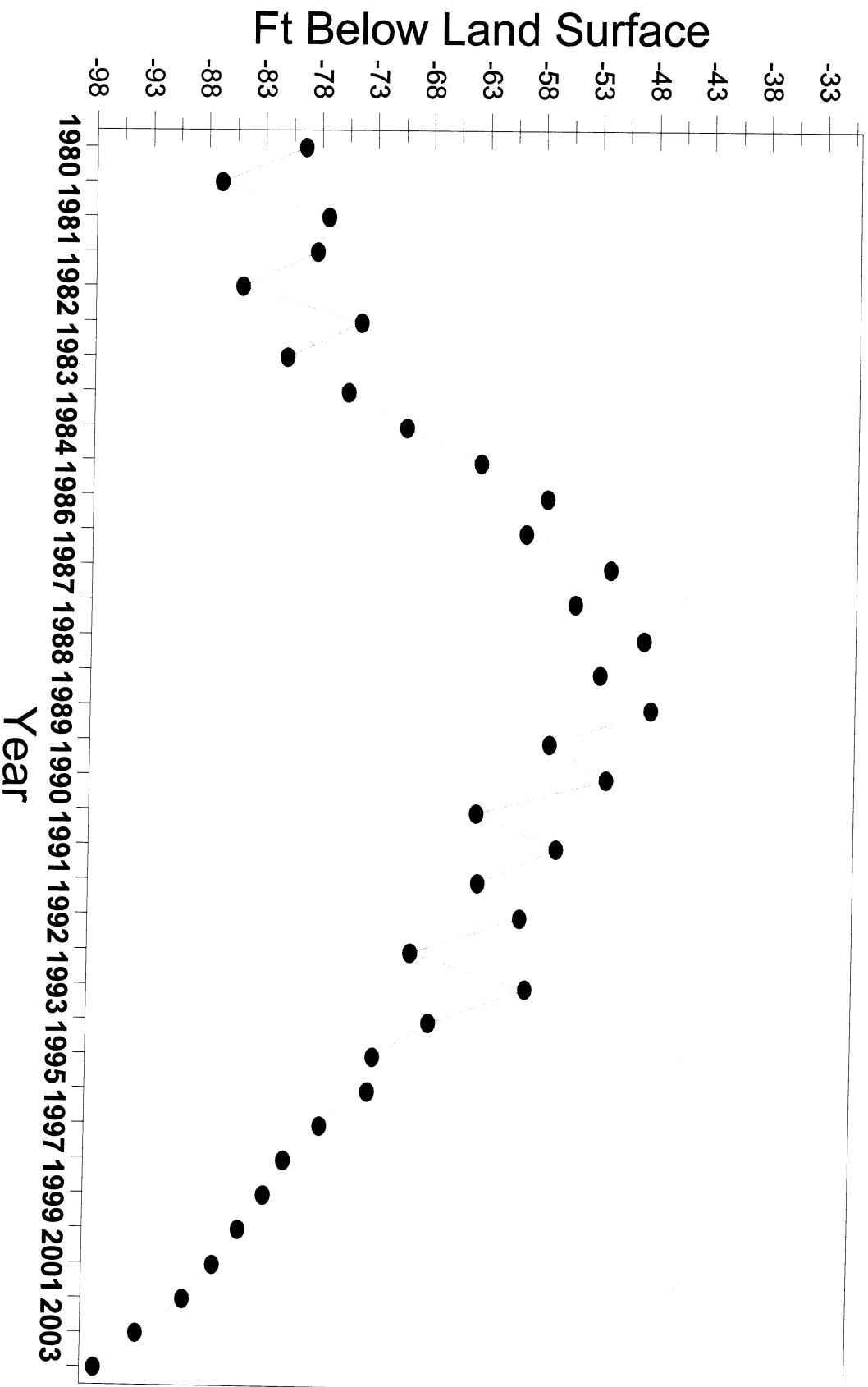
Pahvant Valley Ground Water Levels

Well (C-18-5)28dda1 - #4



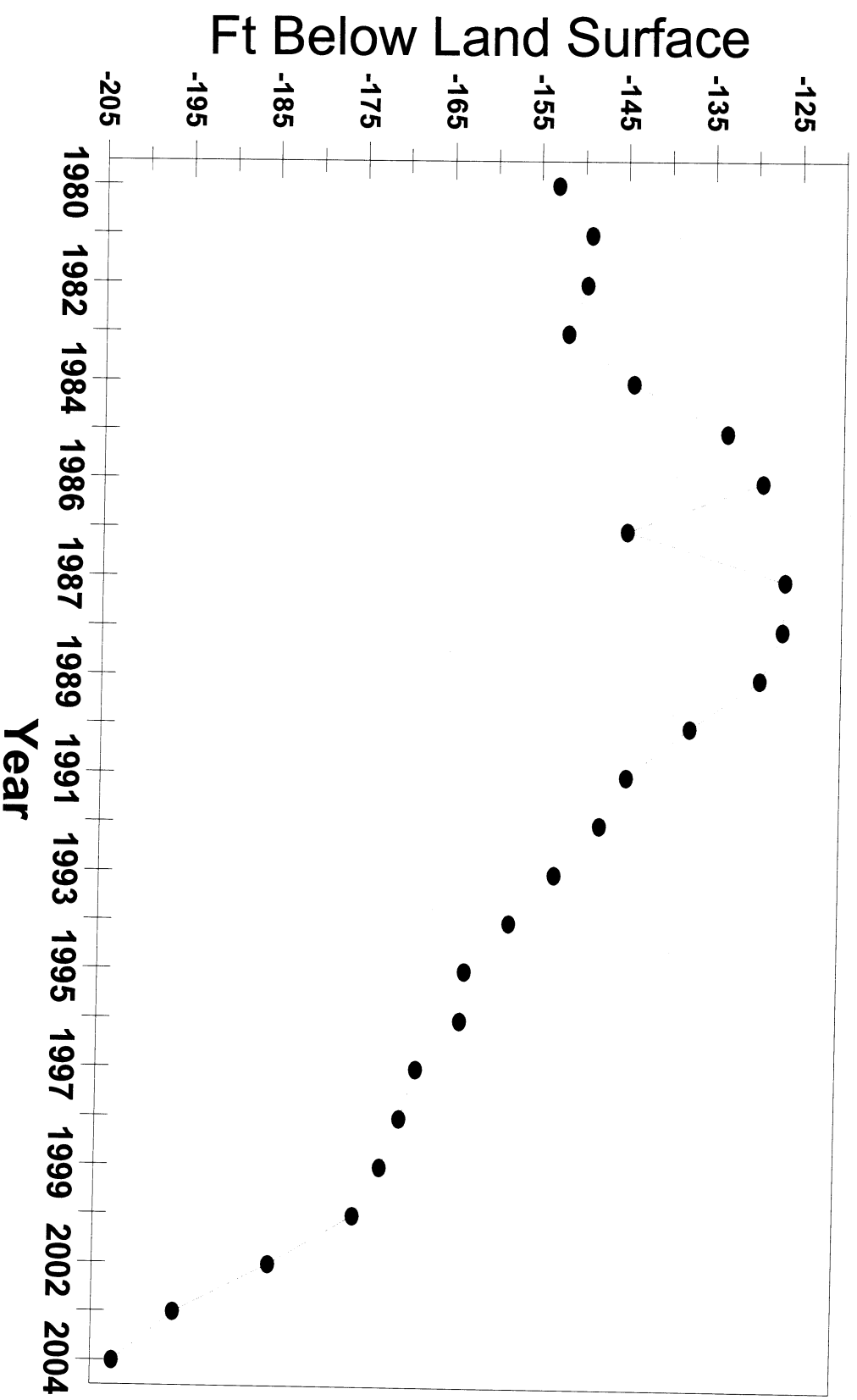
Pahvant Valley Ground Water Levels

Well (C-19-5)2aad-1 - #14



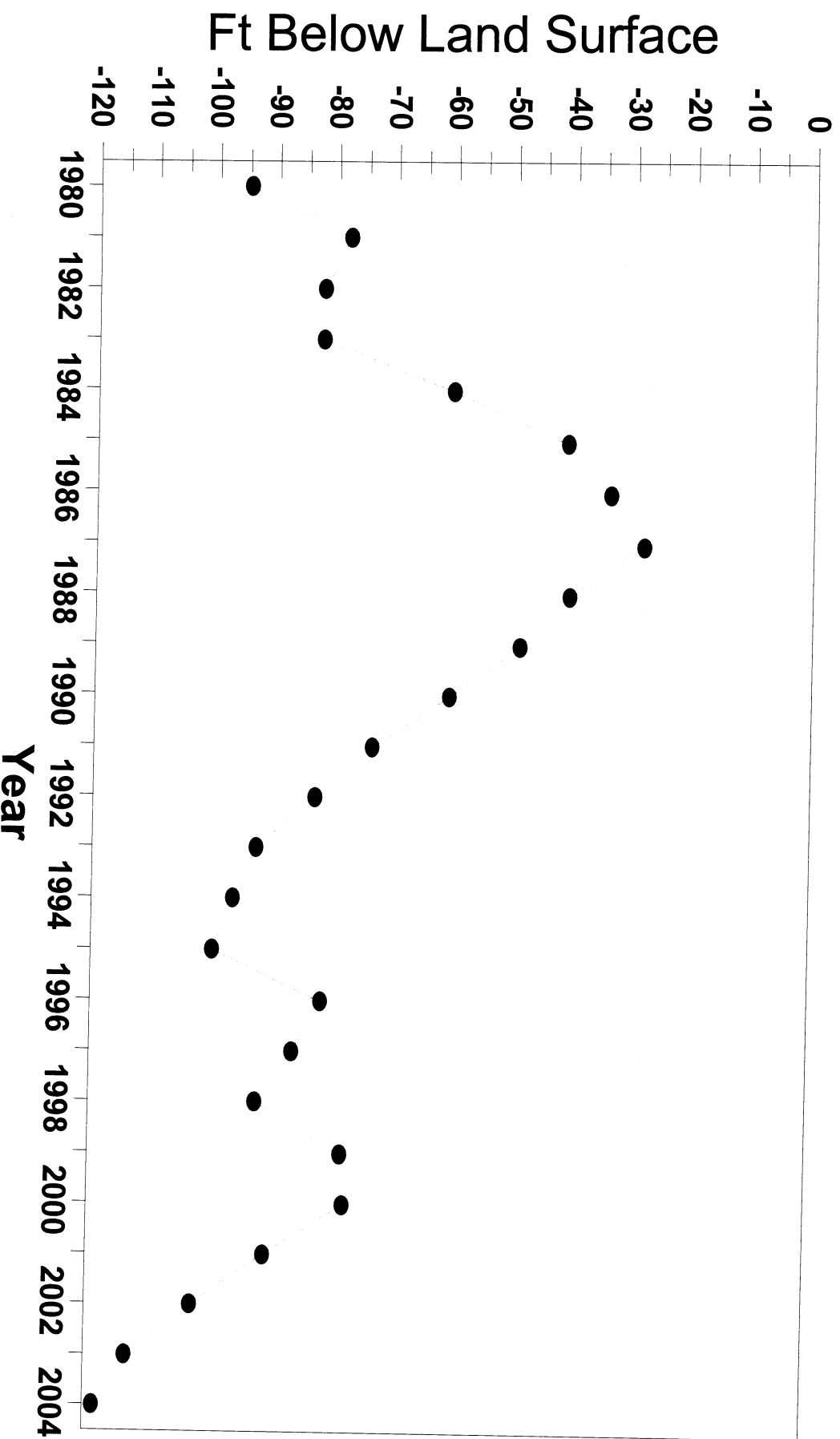
Pahvant Valley Ground Water Levels

Well (C-19-4)30dab-1 #10



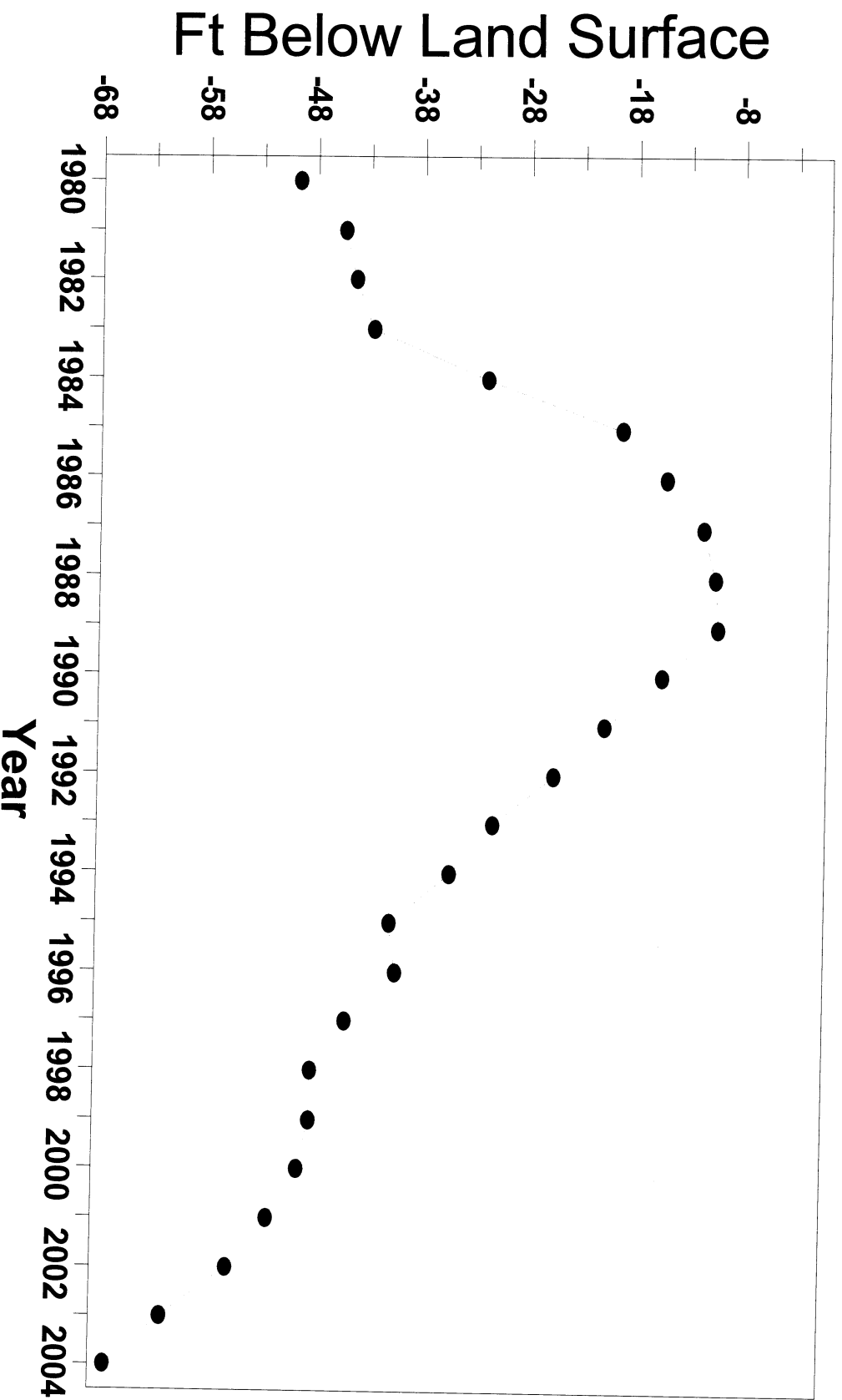
Pahvant Valley Ground Water Levels

Well (C-20-4)4dab-1 #18



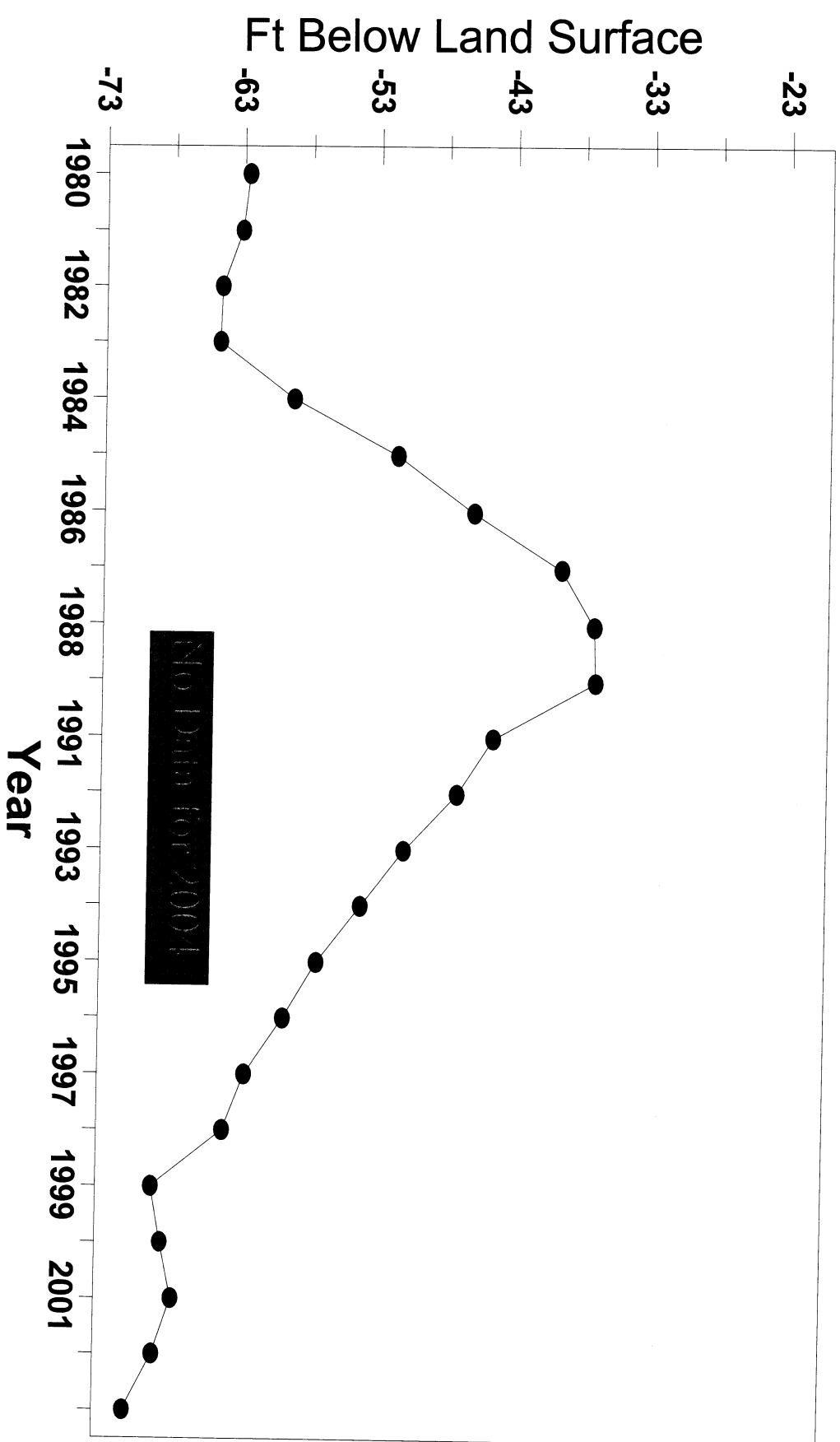
Pahvant Valley Ground Water Levels

Well (C-20-4)6dbbc-1 #20



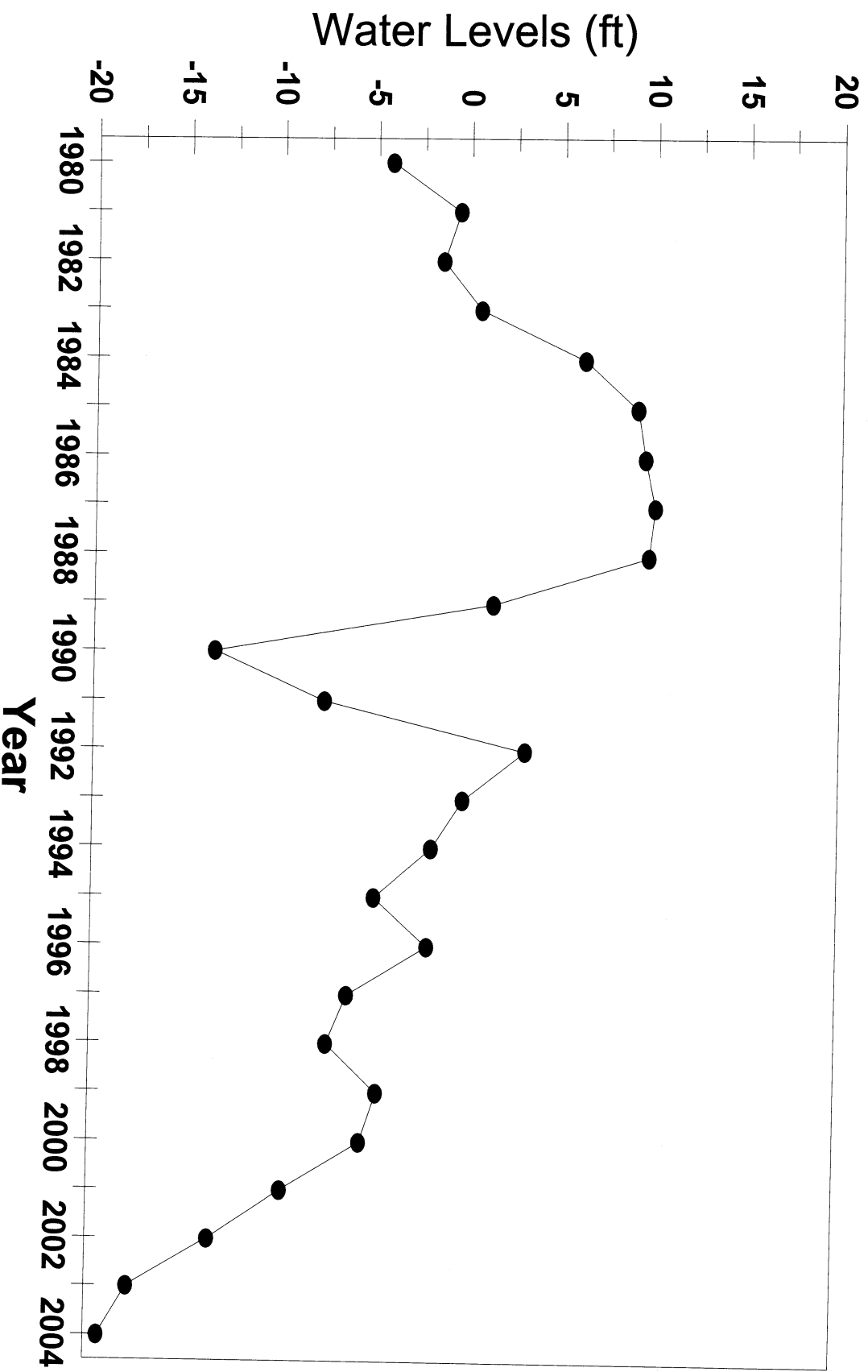
Pahvant Valley Ground Water Levels

Well (C-20-5)24bad-2 #26



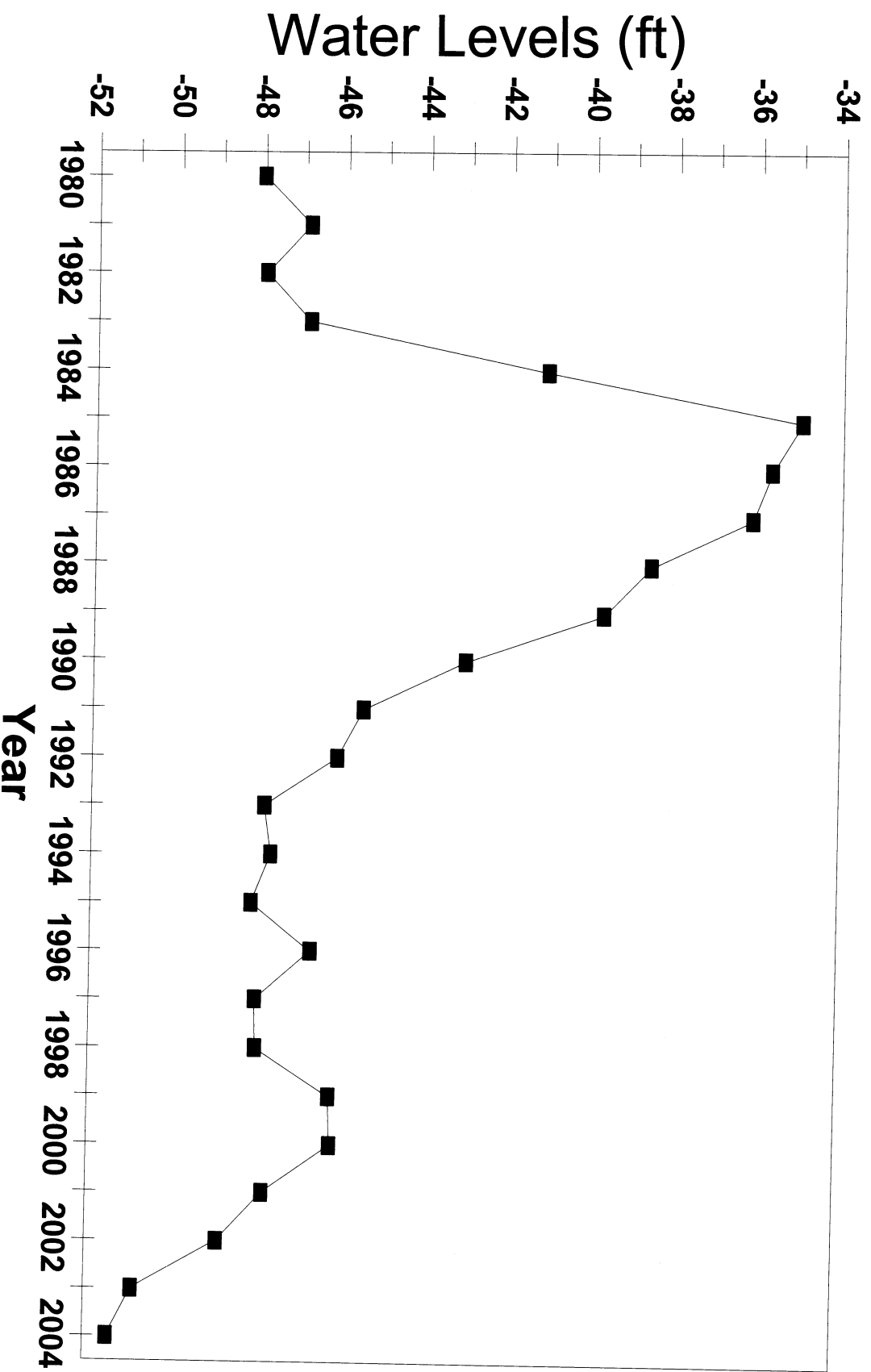
Pahvant Valley Ground Water Levels

Well (C-20-5)28cdd-1 #31



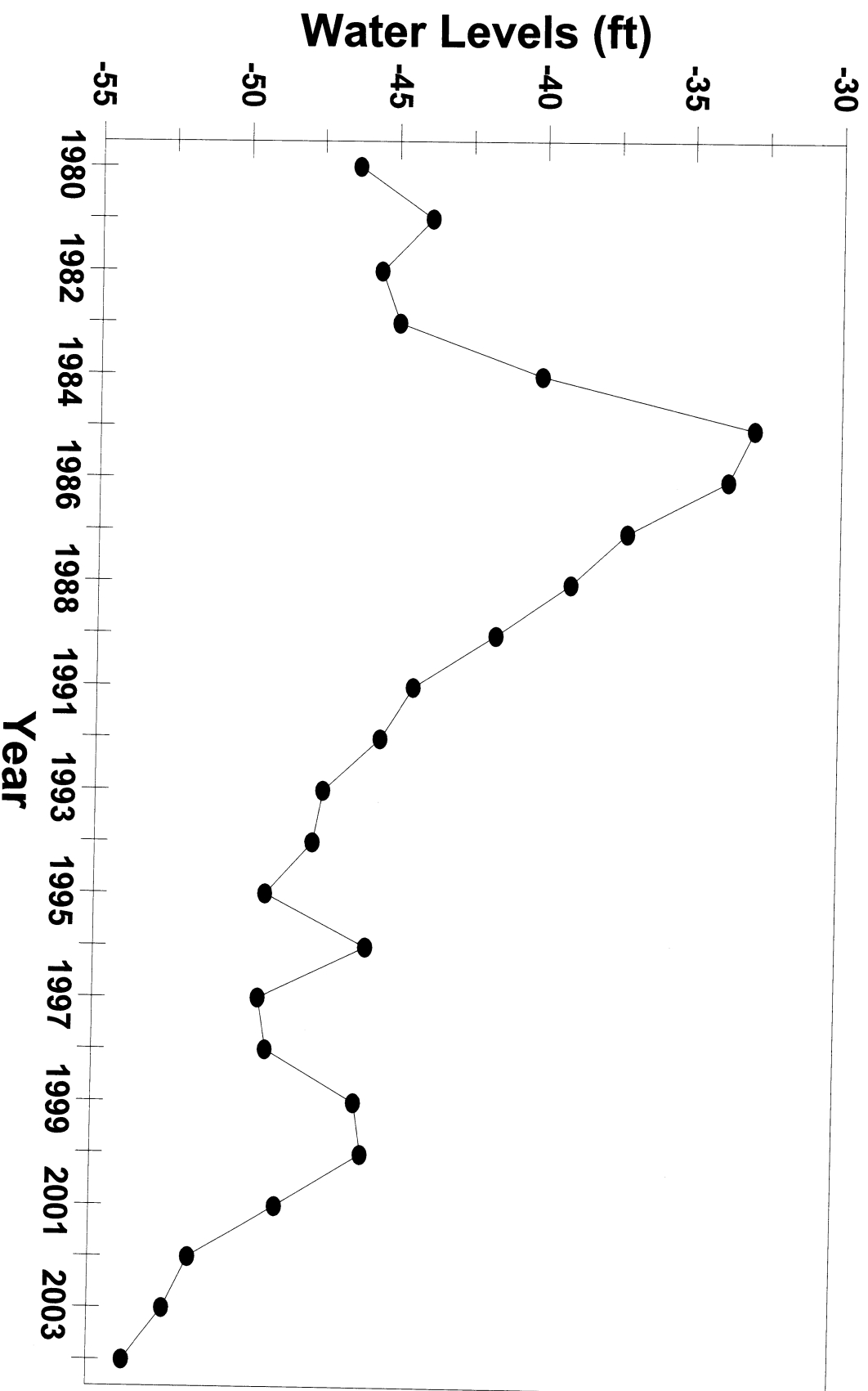
Pahvant Valley Ground Water Levels

Well (C-21-5)7cdd-3 #37



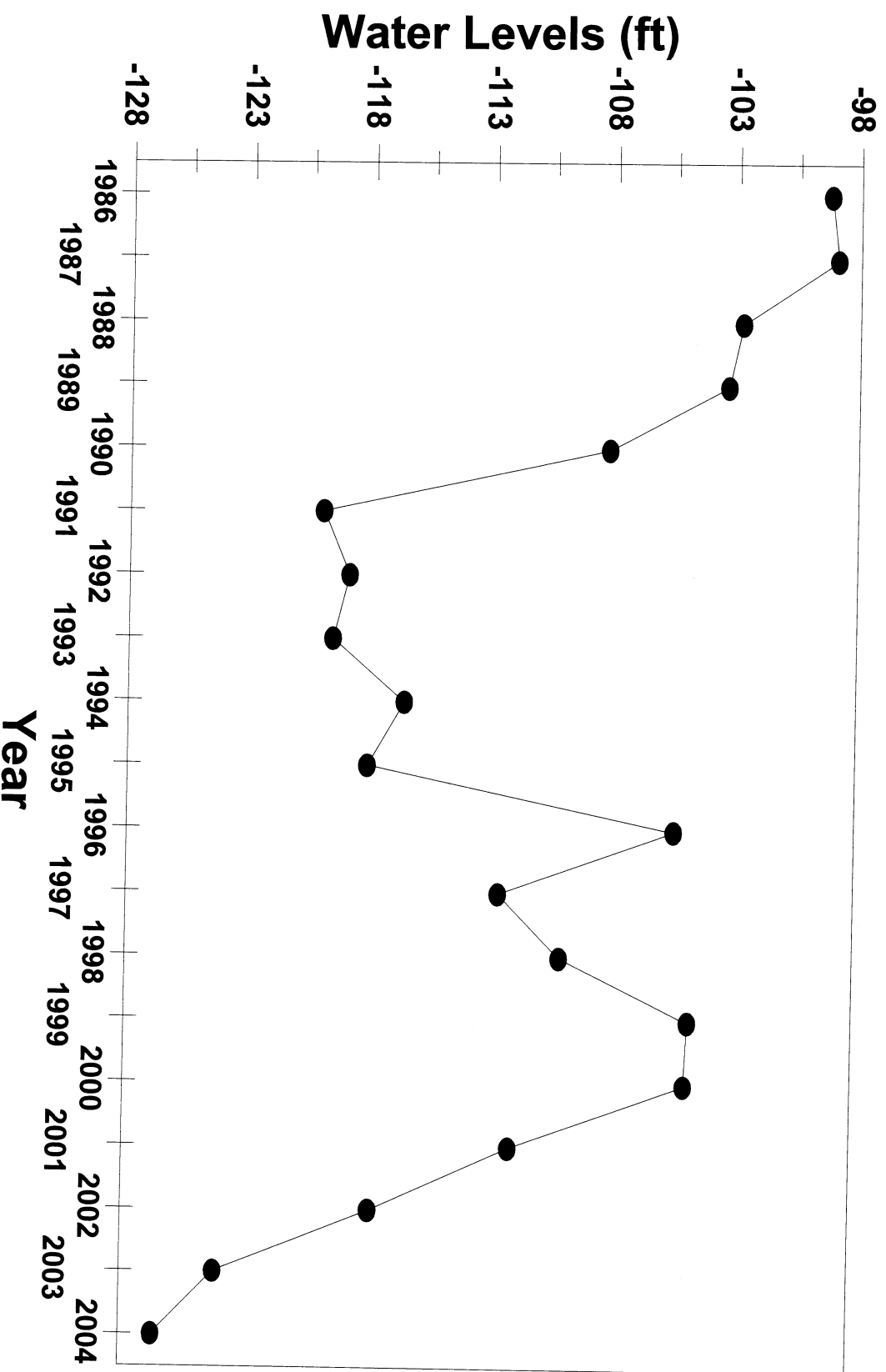
Pahvant Valley Ground Water Levels

Well (C-21-5)8dbb-2 #40



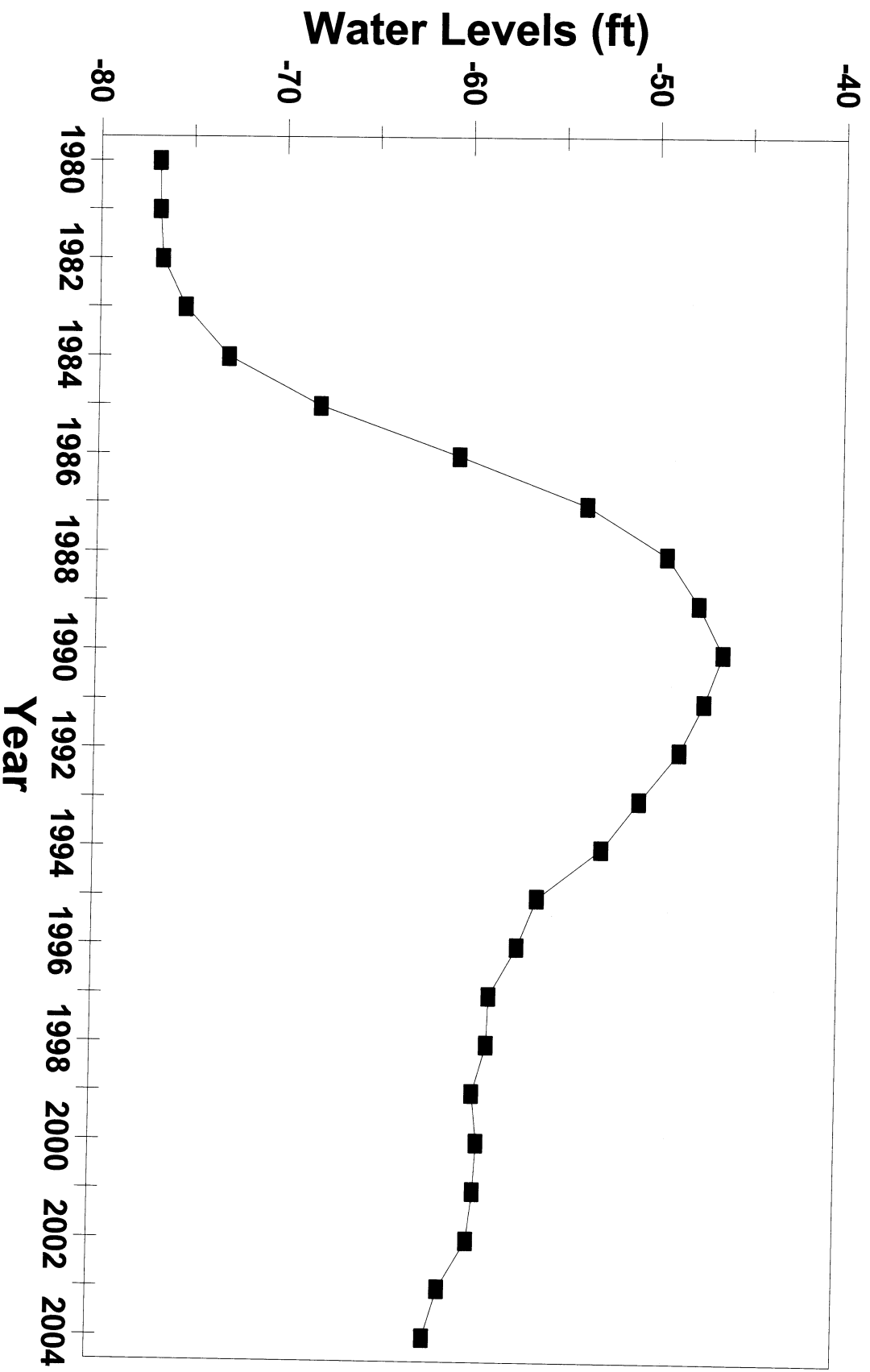
Pahvant Valley Ground Water Levels

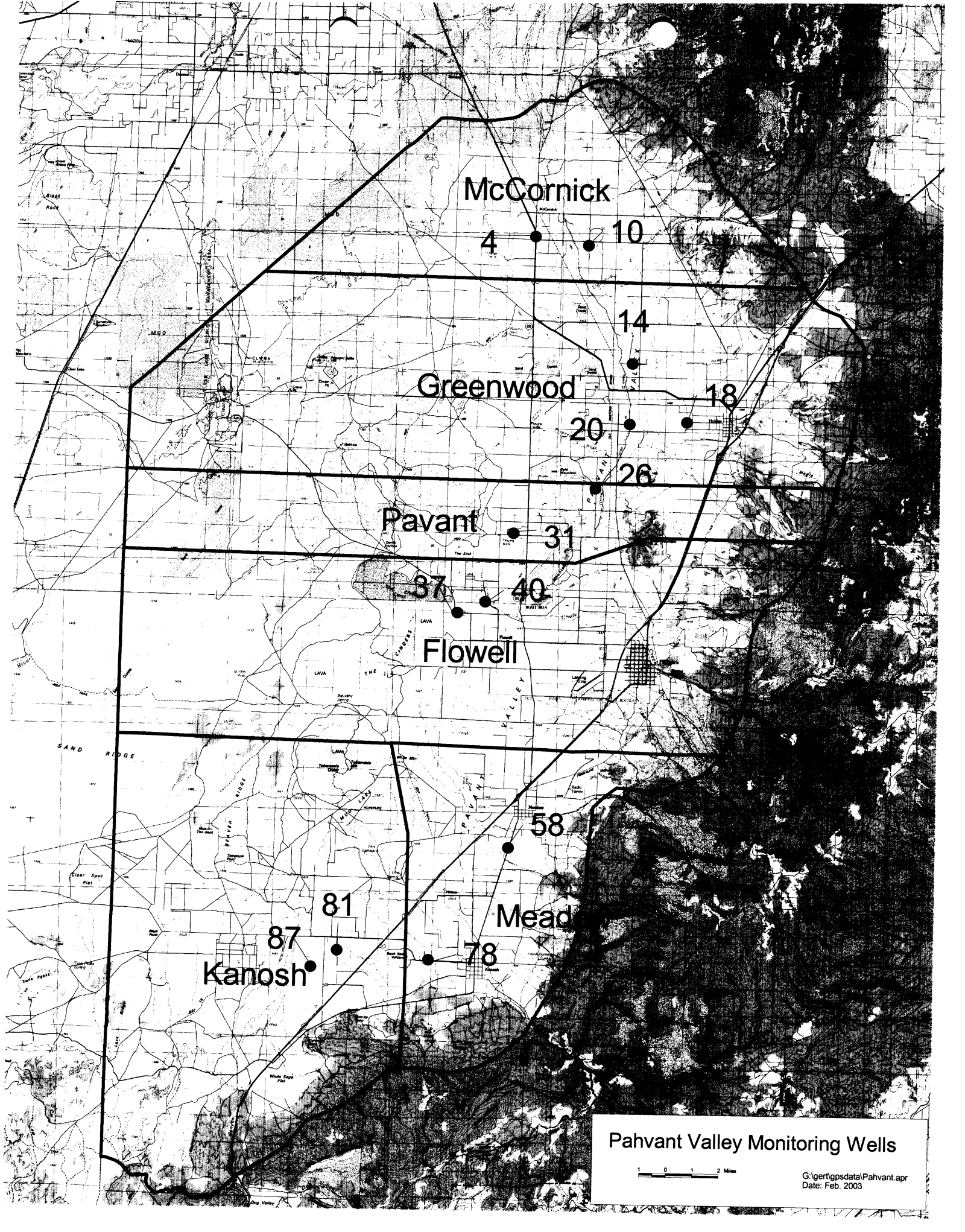
Well (C-23-6)13dddd-1 #78



Pahvant Valley Ground Water Levels

Well (C-23-6)20bda-1 #87





Pahvant Valley Monitoring Wells

1 0 1 2 Miles

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Date: Feb. 2003